AREA INDEX

COMPUTING AND DECISION TECHNOLOGY

Baruah, Sanjoy K., *The Multiprocessor Scheduling of Precedence-Constrained Task Systems in the Presence of Interprocessor Communication Delays,* 65-72.

Savelsbergh, Martin and March Sol, *DRIVE: Dynamic Routing of Independent Vehicles,* 474-490.

Schneur, Rina R. and James B. Orlin, *A Scaling Algorithm for Multicommodity Flow Problems,* 231-246.

Walker, Brian and Brunhilde Sansó, *Managing Redundancy in Distributed Computer Networks: A State Transition Graph Approach for the Stashing Problem,* 305-315

DECISION MAKING

Bordley, Robert F., *Quantum Mechanical and Human Volations of Compound Probability Principles: Toward a Generalized Heisenberg Uncertainty Principle,* 923-926.

Ezawa, Kazuo J., *Evidence Propagation and Value of Evidence on Influence Diagrams,* 73-83.

Smith, James E. and Kevin F. McCardle, *Valuing Oil Properties: Integrating Option Pricing and Decision Analysis Approaches,* 198-217.

DISTRIBUTION

Brimberg, Jack and Robert F. Love, *Solving a Class of Two-Dimensional Uncapacitated Location-Allocation Problems by Dynamic Programming,* 702-709.

Chatwin, Richard E., *Multiperiod Airline Overbooking with a Single Fare Class,* 805-819.

Foster, Dean P. and Rakesh V. Vohra, *An Axiomatic Characterization of a Class of Locations in Tree Networks,* 347-354.

Gendreau, Michel, Alain Hertz, Gilbert Laporte, and Mihnea Stan, *A Generalized Insertion Heuristic for the Traveling Salesman Problem with Time Windows,* 330-335.

Gopalan, Ram and Kalyan T. Talluri, *The Aircraft Maintenance Routing Problem,* 260-271.

Kleywegt, Anton J. and Jason D. Papastavrou, *The Dynamic and Stochastic Knapsack Problem,* 17-35.

DISTRIBUTION, TRANSPORTATION, AND LOGISTICS

Andreatta, Giovanni and Lorenzo Brunetta, *Multiairport Ground Holding Problem: A Computational Evaluation of Exact Algorithms,* 57-64.

Chen, Pey-Chun, Pierre Hansen, Brigitte Jaumard, and Hoang Tuy, *Solution of the Multisource Weber and Conditional Weber Problems by D.-C. Programming,* 548-562.

ENVIRONMENT, ENERGY, AND NATURAL RESOURCES

Degraeve, Zeger and Gert Jan Koopman, *Achieving Air Quality Standards in the European Union,* 643-654.

LOGISTICS AND SUPPLY CHAIN OPERATIONS

Nguyen, Viên, *A Multiclass Hybrid Production Center in Heavy Traffic,* S13-S25.

MANUFACTURING

Hall, Nicholas G., Marc E. Posner, and Chris N. Potts, *Scheduling with Finite Capacity Output Buffers,* S84-S97.

Hall, Nicholas G., Marc E. Posner, and Chris N. Potts, *Scheduling with Finite Capacity Input Buffers,* S154-S159.

Webster, Scott, *Note on "Parallel Machine Scheduling with Batch Setup Times,"* 423.

MANUFACTURING OPERATIONS

Anupindi, Ravi and Sridhar Tayur, *Managing Stochastic Multiproduct Systems: Model, Measures, and Analysis,* S98-S111.

Axsäter, Sven, *Evaluation of Installation Stock Based (R, Q)-Policies for Two-Level Inventory Systems with Poisson Demand,* S135-S145.

Baganha, Manuel P. and Morris A. Cohen, *The Stabilizing Effect of Inventory in Supply Chains,* S72-S83.

Chen, Fangruo, *Stationary Policies in Multiechelon Inventory Systems with Deterministic Demand and Backlogging,* S26-S34.

Duenyas, Izak, Diwakar Gupta, and Tava Lennon Olsen, *Control of a Single-Server Tandem Queuing System with Setups,* 218-230.

Graves, Stephen C., David B. Kletter, and William B. Hetzel, *A Dynamic Model for Requirements Planning with Application to Supply Chain Optimization,* S35-S49.

Hillier, Mark S. and Margaret L. Brandeau, *Optimal Component Assignment and Board Grouping in Printed Circuit Board Manufacturing,* 675-689.

AREA INDEX

COMPUTING AND DECISION TECHNOLOGY

Baruah, Sanjoy K., *The Multiprocessor Scheduling of Precedence-Constrained Task Systems in the Presence of Interprocessor Communication Delays,* 65-72.

Savelsbergh, Martin and March Sol, *DRIVE: Dynamic Routing of Independent Vehicles,* 474-490.

Schneur, Rina R. and James B. Orlin, *A Scaling Algorithm for Multicommodity Flow Problems,* 231-246.

Walker, Brian and Brunhilde Sansó, *Managing Redundancy in Distributed Computer Networks: A State Transition Graph Approach for the Stashing Problem,* 305-315

DECISION MAKING

Bordley, Robert F., *Quantum Mechanical and Human Volations of Compound Probability Principles: Toward a Generalized Heisenberg Uncertainty Principle,* 923-926.

Ezawa, Kazuo J., *Evidence Propagation and Value of Evidence on Influence Diagrams,* 73-83.

Smith, James E. and Kevin F. McCardle, *Valuing Oil Properties: Integrating Option Pricing and Decision Analysis Approaches,* 198-217.

DISTRIBUTION

Brimberg, Jack and Robert F. Love, *Solving a Class of Two-Dimensional Uncapacitated Location-Allocation Problems by Dynamic Programming,* 702-709.

Chatwin, Richard E., *Multiperiod Airline Overbooking with a Single Fare Class,* 805-819.

Foster, Dean P. and Rakesh V. Vohra, *An Axiomatic Characterization of a Class of Locations in Tree Networks,* 347-354.

Gendreau, Michel, Alain Hertz, Gilbert Laporte, and Mihnea Stan, *A Generalized Insertion Heuristic for the Traveling Salesman Problem with Time Windows,* 330-335.

Gopalan, Ram and Kalyan T. Talluri, *The Aircraft Maintenance Routing Problem,* 260-271.

Kleywegt, Anton J. and Jason D. Papastavrou, *The Dynamic and Stochastic Knapsack Problem,* 17-35.

DISTRIBUTION, TRANSPORTATION, AND LOGISTICS

Andreatta, Giovanni and Lorenzo Brunetta, *Multiairport Ground Holding Problem: A Computational Evaluation of Exact Algorithms,* 57-64.

Chen, Pey-Chun, Pierre Hansen, Brigitte Jaumard, and Hoang Tuy, *Solution of the Multisource Weber and Conditional Weber Problems by D.-C. Programming,* 548-562.

ENVIRONMENT, ENERGY, AND NATURAL RESOURCES

Degraeve, Zeger and Gert Jan Koopman, *Achieving Air Quality Standards in the European Union,* 643-654.

LOGISTICS AND SUPPLY CHAIN OPERATIONS

Nguyen, Viên, *A Multiclass Hybrid Production Center in Heavy Traffic,* S13-S25.

MANUFACTURING

Hall, Nicholas G., Marc E. Posner, and Chris N. Potts, *Scheduling with Finite Capacity Output Buffers,* S84-S97.

Hall, Nicholas G., Marc E. Posner, and Chris N. Potts, *Scheduling with Finite Capacity Input Buffers,* S154-S159.

Webster, Scott, *Note on "Parallel Machine Scheduling with Batch Setup Times,"* 423.

MANUFACTURING OPERATIONS

Anupindi, Ravi and Sridhar Tayur, *Managing Stochastic Multiproduct Systems: Model, Measures, and Analysis,* S98-S111.

Axsäter, Sven, *Evaluation of Installation Stock Based (R, Q)-Policies for Two-Level Inventory Systems with Poisson Demand,* S135-S145.

Baganha, Manuel P. and Morris A. Cohen, *The Stabilizing Effect of Inventory in Supply Chains,* S72-S83.

Chen, Fangruo, *Stationary Policies in Multiechelon Inventory Systems with Deterministic Demand and Backlogging,* S26-S34.

Duenyas, Izak, Diwakar Gupta, and Tava Lennon Olsen, *Control of a Single-Server Tandem Queuing System with Setups,* 218-230.

Graves, Stephen C., David B. Kletter, and William B. Hetzel, *A Dynamic Model for Requirements Planning with Application to Supply Chain Optimization,* S35-S49.

Hillier, Mark S. and Margaret L. Brandeau, *Optimal Component Assignment and Board Grouping in Printed Circuit Board Manufacturing,* 675-689.

Kapuściński, Roman and Sridhar Tayur, *A Capacitated Production-Inventory Model with Periodic Demand,* 899-911.

Mahadev, N.V.R., Aleksandar Pekeč, and Fred S. Roberts, *On the Meaningfulness of Optimal Solutions to Scheduling Problems: Can an Optimal Solution Be Nonoptimal?* S120-S134.

Nandakumar, Puroshottaman and Jeffrey L. Rummel, *A Subassembly Manufacturing Yield Problem with Multiple Production Runs,* S50-S64.

Perry, David and M.J.M. Posner, *An (S –1, S) Inventory System with Fixed Shelf Life and Constant Lead Times,* S65-S71.

Righter, Rhonda and J. George Shanthikumar, *Multiclass Production Systems with Setup Times,* S146-S153.

Srivatsan, N. and Yves Dallery, *Partial Characterization of Optimal Hedging Point Policies in Unreliable Two-Part-Type Manufacturing,* 36-45.

MANUFACTURING, OPERATIONS, AND SCHEDULING

Krichagina, Elena V., Rodrigo Rubio, Michael I. Taksar, and Lawrence M. Wein, *A Dynamic Stochastic Stock-Cutting Problem,* 690-701.

MANUFACTURING, PRODUCTION, AND SCHEDULING

He, Xin X., Susan H. Xu, J. Keith Ord, and Jack C. Hayya, *An Inventory Model with Order Crossover,* S112-S119.

OPTIMIZATION

Balakrishnan, Anantaram, Thomas L. Magnanti, and Prakash Mirchandani, *Designing Hierarchical Survivable Networks,* 116-136.

Barnhardt, Cynthia, Ellis L. Johnson, George L. Nemhauser, Martin W.P. Savelsbergh, and Pamela H. Vance, *Branch-and-Price: Column Generation for Solving Huge Integer Programs,* 316-329.

Bertsimas, Dimitris and Chung-Piaw Teo, *From Valid Inequalities to Heuristics: A Unified View of Primal-Dual Approximation Algorithms in Covering Problems,* 503-514.

Bixby, Robert F. and Eva K. Lee, *Solving a Truck Dispatching Scheduling Problem Using Branch-and-Cut,* 355-367.

Chan, Lap Mui Ann, Awi Federgruen, and David Simchi-Levi, *Probabilistic Analyses and Practical Algrorithms for Inventory–Routing Models,* 96-106.

Chan, Lap Mui Ann, Ana Muriel, and David Simchi-Levi, *Parallel Machine Scheduling, Linear Programming, and Parameter List Scheduling Heuristics,* 729-741.

Holmberg, Kaj and Johan Hellstrand, *Solving the Uncapacitated Network Design Problem by a Lagrangean Heuristic and Branch-and-Bound,* 247-259.

Kaminsky, Philip and David Simchi-Levi, *Probabalistic Analysis and Practical Algorithms for the Flow Shop Weighted Completion Time Problem,* 872-882.

Kellerer, Hans, Vladimir Kotov, Franz Rendl, and Gerhard J. Woeginger, *The Stock Size Problem,* S1-S12.

Kodialam, Muralidharan S. and Hanan Luss, *Algorithms for Separable Nonlinear Resource Allocation Problems,* 272-284.

Kubiak, W., J. Błazewicz, M. Dror, N. Katoh, and H. Rock, *Resource Constrained Chain Scheduling of UET Jobs on Two Machines,* 742-746.

Lee, Jon, *Constrained Maximum-Entropy Sampling,* 655-664.

Morton, David P., *Stopping Rules for a Class of Sampling-Based Stochastic Programming Algorithms,* 710-718.

Norkin, Vladimir I., Yuri M. Ermoliev, and Andrzej Ruszczynski, *On Optimal Allocation of Indivisibles Under Certainty,* 381-395.

Sherali, Hanif D., Warren P. Adams, and Patrick J. Driscoll, *Exploiting Special Structures in Constructing a Hierarchy of Relaxations for 0-1 Mixed Integer Problems,* 396-405.

Tucciarelli, Tullio, George P. Karatzas, and George F. Pinder, *A Primal Method for the Solution of the Groundwater Quality Management Problem,* 463-473.

OR CHRONICLE

Erkut, Erhan and Vedat Verter, *Modeling of Transport Risk for Hazardous Materials,* 625-642.

Nash, Stephen G., *SUMT (Revisited),* 763-775.

Saaty, Thomas L., *Reflections and Projections on Creativity in Operations Research and Management Science: A Pressing Need for a Shift in Paradigm,* 9-16.

Troutt, Marvin D., *Some Quality Improvement Principles Useful in the OR/MS Research and Publication Process,* 176-183.

OR PRACTICE

Bitran, Gabriel, René Caldentey, and Susana Mondschein, *Coordinating Clearance Markdown Sales of Seasonal Products in Retail Chains,* 609-624.

Cariño, David R. and William T. Ziemba, *Formulation of the Russell-Yasuda Kasai Financial Planning Model,* 433-449.

Cariño, David R., David H. Myers, and William T. Ziemba, *Concepts, Technical Issues, and Uses of the Russell-Yasuda Kasai Financial Planning Model,* 450-462.

Dyer, James S., Thomas Edmunds, John C. Butler, and Jianmin Jia, *A Multiattribute Utility Analysis of Alternatives for the Disposition of Surplus Weapons-Grade Plutonium,* 749-762.

Fernandez, Elena, Robert Garfinkel, and Roman Arbiol, *Mosaiking of Aerial Photographic Maps Via Seams Defined by Bottleneck Shortest Paths,* 293-304.

Mason, Andrew J., David M. Ryan, and David M. Panton, *Integrated Simulation, Heuristic and Optimization Approaches to Staff Scheduling,* 161-175.

Nemhauser, George L. and Michael A. Trick, *Scheduling a Major College Basketball Conference*, 1-8.

PUBLIC SERVICES AND MILITARY APPLICATIONS

Cormican, Kelly J., David P. Morton, and R. Kevin Wood, *Stochastic Network Interdiction*, 184-197.

SERVICES

Lederer, Phillip J. and Ramakrishnan S. Nambimadom, *Airline Network Design,* 785-804.

Murphy, Frederic H. and Murthy V. Mudrageda, *A Decomposition Approach for a Class of Economic Equilibrium Models,* 368-377.

Rao, S. and E.R. Petersen, *Optimal Pricing of Priority Services,* 46-56.

Saaty, Thomas L. and Luis G. Vargas, *Diagnosis with Dependent Symptons: Bayes Theorem and the Analytic Hierarchy Process,* 491-502.

SIMULATION

Avramidis, Athanassios N. and James R. Wilson, *Correlation-Induction Techniques for Estimating Quantiles in Simulation Experiments,* 574-591.

Kaufman, David E. and Robert L. Smith, *Direction Choice for Accelerated Convergence in Hit-and-Run Sampling,* 84-95.

Nakayama, Marvin K., *On Derivative Estimation of the Mean Time to Failure in Simulations of Highly Reliable Markovian Systems,* 285-290.

STOCHASTIC MODELS

Altman, Eitan, Serguei Foss, Eric Riehl, and Shaler Stidham, Jr., *Performance Bounds and Pathwise Stability for Generalized Vacation and Polling Systems,* 137-148.

Browning, Sharon Guy, *Tandem Queues with Blocking: A Comparison Between Dependent and Independent Service,* 424-429.

Chao, Xiuli and Makakiyo Miyazawa, *On Quasi-Reversibility and Local Balance: An Alternative Derivation of the Product-Form Results,* 927-933.

Chen, Fangruo and Yu-Sheng Zheng, *Near-Optimal Echelon-Stock (R, nQ) Policies in Multistage Serial Systems,* 592-602.

Chen, Jinfa, David D. Yao, and Shaohui Zheng, *Quality Control for Products Supplied with Warranty,* 107-115.

Gouweleeuw, Frank N. and Henk C. Tijms, *Computing Loss Probabilities in Discrete-Time Queues,* 149-156.

Liu, Zhen and Rhonda Righter, *Optimal Load Balancing on Distributed Homogenous Unreliable Processors,* 563-573.

Reiman, Martin I. and Lawrence M. Wein, *Dynamic Scheduling of a Two-Class Queue with Setups,* 532-547.

Taylor, P.G. and N.M. van Dijk, *Strong Stochastic Bounds for the Stationary Distribution of a Class of Multicomponent Performability Models,* 665-674.

STOCHASTIC PROCESSES AND THEIR APPLICATIONS

Garbe, R. and K.D. Glazebrook, *Submodular Returns and Greedy Heuristics for Queueing Scheduling Problems,* 336-346.

Scheller-Wolf, Alan and Karl Sigman, *Moments in Tandem Queues,* 378-380.

TELECOMMUNICATIONS

Lee, Thomas (Yew Sing), *Models for Design and Control of Single Server Polling Computer and Communication Systems,* 515-531.

Sutter, Alain, François Vanderbeck, and Laurence Wolsey, *Optimal Placement of Add/Drop Multiplexers: Heuristic and Exact Algorithms,* 719-728.

TRANSPORTATION

Bertsimas, Dimitris and Sarah Stock Patterson, *The Air Traffic Flow Management Problem with Enroute Capacities,* 406-422.

Caprara, Alberto, Paolo Toth, Matteo Fischetti, and Daniele Vigo, *Modeling and Solving the Crew Rostering Problem,* 820-830.

AUTHOR INDEX

A

Adams, Warren P., see **Sherali, Adams, and Driscoll,** 396-405.

Altman, Eitan, Serguei Foss, Eric Riehl, and Shaler Stidham, Jr., *Performance Bounds and Pathwise Stability for Generalized Vacation and Polling Systems,* 137-148.

Altman, Eitan and Nahum Shimkin, *Individual Equilibrium and Learning in Processor Sharing Systems,* 776-784.

Andreatta, Giovanni and Lorenzo Brunetta, *Multiairport Ground Holding Problem: A Computational Evaluation of Exact Algorithms,* 57-64.

Anupindi, Ravi and Sridhar Tayur, *Managing Stochastic Multiproduct Systems: Model, Measures, and Analysis,* S98-S111.

Arbiol, Roman, see **Fernandez, Garfinkel, and Arbiol,** 293-304.

Avramidis, Athanassios and James R. Wilson, *Correlation-Induction Techniques for Estimating Quantiles in Simulation Experiments,* 574-591.

Axsäter, Sven, *Evaluation of Installation Stock Based (R,Q)-Policies for Two-Level Inventory Systems with Poisson Demand*, S135-S145.

B

Baganha, Manuel P. and Morris A. Cohen, *The Stabilizing Effect of Inventory in Supply Chains*, S72-S83.

Balakrishnan, Anantaram, Thomas L. Magnanti, and Prakash Mirchandani, *Designing Hierarchical Survivable Networks*, 116-136.

Barnhardt, Cynthia, Ellis L. Johnson, George L. Nemhauser, Martin W.P. Savelsbergh, and Pamela H. Vance, *Branch-and-Price: Column Generation for Solving Huge Integer Programs*, 316-329.

Baruah, Sanjoy K., *The Multiprocessor Scheduling of Precedence-Constrained Task Systems in the Presence of Interprocessor Communication Delays*, 65-72.

Bertsimas, Dimitris and Chung-Piaw Teo, *From Valid Inequalities to Heuristics: A Unified View of Primal-Dual Approximation Algorithms*, 503-514.

Bertsimas, Dimitris and Sarah Stock Patterson, *The Air Traffic Flow Management Problem with Enroute Capacities*, 406-422.

Bitran, Gabriel, René Caldentey, and Susana Mondschein, *Coordinating Clearance Markdown Sales of Seasonal Products in Retail Chains*, 609-624.

Bixby, Robert F. and Eva K. Lee, *Solving a Truck Dispatching Scheduling Problem Using Branch-and-Cut*, 355-367.

Błazewicz, J., see **Kubiak, Błazewicz, Dror, Katoh, and Rock**, 742-746.

Bordley, Robert F., *Quantum Mechanical and Human Volations of Compound Probability Principles: Toward a Generalized Heisenberg Uncertainty Principle*, 923-926.

Brandeau, Margaret L., see **Hillier and Brandeau**, 675-689.

Brimberg, Jack and Robert F. Love, *Solving a Class of Two-Dimensional Uncapacitated Location-Allocation Problems by Dynamic Programming*, 702-709.

Browning, Sharon Guy, *Tandem Queues with Blocking: A Comparison Between Dependent and Independent Service*, 424-429.

Brunetta, Lorenzo, see **Andreatta and Brunetta**, 57-64.

Butler, John C., see **Dyer, Edmunds, Butler, and Jia**, 749-762.

C

Caldentey, René, see **Bitran, Caldentey, and Mondschein**, 609-624.

Caprara, Alberto, Paolo Toth, Matteo Fischetti and Daniele Vigo, *Modeling and Solving the Crew Rostering Problem*, 820-830.

Cariño, David R. and William T. Ziemba, *Formulation of the Russell-Yasuda Kasai Financial Planning Model*, 433-449.

Cariño, David R., David H. Myers, and William T. Ziemba, *Concepts, Technical Issues, and Uses of the Russell-Yasuda Kasai Financial Planning Model*, 450-462.

Carrizosa, E., M. Muñoz-Márquez, and J. Puerto, *A Note on the Optimal Positioning of Service Units*, 155-156.

Chan, Lap Mui Ann, Awi Federgruen, and David Simchi-Levi, *Probabilistic Analyses and Practical Algorithms for Inventory-Routing Models*, 96-106.

Chan, Lap Mui Ann, Ana Muriel, and David Simchi-Levi, *Parallel Machine Scheduling, Linear Programming, and Parameter List Scheduling Heuristics*, 729-741.

Chao, Xiuli and Masakiyo Miyazawa, *On Quasi-Reversability and Local Balance: An Alternative Derivation of the Product-Form Results*, 927-933.

Chatwin, Richard E., *Multiperiod Airline Overbooking with a Single Fare Class*, 805-819.

Chen, Fangruo, *Stationary Policies in Multiechelon Inventory Systems with Deterministic Demand and Backlogging*, S25-S34.

Chen, Fangruo and Yu-Sheng Zheng, *Near-Optimal Echelon-Stock (R, nQ) Policies in Multistage Serial Systems*, 592-602.

Chen, Jinfa, David D. Yao, and Shaohui Zheng, *Quality Control for Products Supplied with Warranty*, 107-115.

Chen, Pey-Chun, Pierre Hansen, Brigitte Jaumard, and Hoang Tuy, *Solution of the Multisource Weber and Conditional Weber Problems by D.-C. Programming*, 548-562.

Cohen, Morris A., see **Baganha and Cohen**, S72-S83.

Cormican, Kelly J., David P. Morton, and R. Kevin Wood, *Stochastic Network Interdiction*, 184-197.

D

Dallery, Yves, see **Srivatsan and Dallery**, 36-45.

Degraeve, Zeger and Gert Jan Koopman, *Achieving Air Quality Standards in the European Union*, 643-654.

Driscoll, Patrick J., see **Sherali, Adams, and Driscoll**, 396-405.

Dror, M., see **Kubiak, Błazewicz, Dror, Katoh, and Rock**, 742-746.

Duenyas, Izak, Diwakar Gupta, and Tava Lennon Olsen, *Control of a Single-Server Tandem Queuing System with Setups*, 218-230.

Dyer, James S., Thomas Edmunds, John C. Butler, Jianmin Jia, *A Multiattribute Utility Analysis of Alternatives for the Disposition of Surplus Weapons-Grade Plutonium*, 749-762.

E

Edmunds, Thomas, see **Dyer, Edmunds, Butler, and Jia**, 749-762.

Erkut, Erhan and Vedat Verter, *Modeling of Transport Risk for Hazardous Materials*, 625-642.

Ermoliev, Yuri M., see **Norkin, Ermoliev and Ruszczynski,** 381-395.

Ezawa, Kazuo J., *Evidence Propagation and Value of Evidence on Influence Diagrams*, 73-83.

F

Federgruen, Awi , see **Chan, Federgruen, and Simchi-Levi,** 96-106.

Fernandez, Elena, Robert Garfinkel and Roman Arbiol, *Mosaicking of Aerial Photographic Maps via Seams Defined by Bottleneck Shortest Paths,* 293-304.

Fischetti, Matteo, see **Caprara, Toth, Fischetti, and Vigo,** 820-830.

Foss, Serguei, see **Altman, Foss, Riehl, and Stidham, Jr.,** 137-148.

Foster, Dean P. and Rakesh V. Vohra, *An Axiomatic Characterization of a Class of Locations in Tree Networks,* 347-354.

G

Garbe, R. and K.D. Glazebrook, *Submodular Returns and Greedy Heuristics for Queueing Scheduling Problems,* 336-346.

Garfinkel, Robert, see **Fernandez, Garfinkel, and Arbiol,** 293-304.

Gendreau, Michel, Alain Hertz, Gilbert Laporte, and Mihnea Stan, *A Generalized Insertion Heuristic for the Traveling Salesman Problem with Time Windows,* 330-335.

Glasserman, Paul and Yashan Wang, *Leadtime-Inventory Trade-Offs in Assemble-to-Order Systems*, 858-871.

Glazebrook, K.D., see **Garbe and Glazebrook,** 336-346.

Gopalan, Ram and Kalyan T. Talluri, *The Aircraft Maintenance Routing Problem*, 260-271.

Gouweleeuw, Frank N. and Henk C. Tijms, *Computing Loss Probabilities in Discrete-Time Queues*, 149-154.

Graves, Stephen C., David B. Kletter, and William B. Hetzel, *A Dynamic Model for Requirements Planning with Application to Supply Chain Optimization*, S35-S49.

Gupta, Diwakar, see **Duenyas, Gupta, and Olsen,** 218-230.

H

Hall, Nicholas G., Mark A. Posner, and Chris N. Potts, *Scheduling with Finite Capacity Output Buffers*, S84-S97.

Hall, Nicholas G., Mark A. Posner, and Chris N. Potts, *Scheduling with Finite Capacity Input Buffers*, S154-S159.

Hansen, Pierre, see **Chen, Hansen, Jaumard, and Tuy,** 548-562.

Hayya, Jack C., see **He, Xu, Ord, and Hayya,** S112-S119.

He, Xin X., Susan H. Xu, J. Keith Ord, and Jack C. Hayya, *An Inventory Model with Order Crossover*, S112-S119.

Hellstrand, Johan, see **Holmberg and Hellstrand,** 247-259.

Hertz, Alain, see **Gendreau, Hertz, Laporte, and Stan,** 330-335.

Hetzel, William B., see **Graves, Kletter, and Hetzel,** S35-S49.

Hillier, Mark S. and Margaret L. Brandeau, *Optimal Component Assignment and Board Grouping in Printed Circuit Board Manufacturing,* 675-689.

Holmberg, Kaj and Johan Hellstrand, *Solving the Uncapacitated Network Design Problem by a Lagrangean Heuristic and Branch-and-Bound*, 247-259.

J

Jaumard, Brigitte, see **Chen, Hansen, Jaumard, and Tuy,** 548-562.

Jia, Jianmin, see **Dyer, Edmunds, Butler, and Jia,** 749-762.

Johnson, Ellis L., see **Barnhardt, Johnson, Nemhauser, Savelsbergh, and Vance,** 316-329.

K

Kaminsky, Philip and David Simchi-Levi, *Probabalistic Analysis and Practical Algorithms for the Flow Shop Weighted Completion Time Problem*, 872-882.

Kapuściński, Roman and Sridhar Tayur, *A Capacitated Production-Inventory Model with Periodic Demand*, 899-911.

Karatzas, George P., see **Tucciarelli, Karatzas, and Pinder,** 463-473.

Katoh, N., see **Kubiak, Błazewicz, Dror, Katoh, and Rock,** 742-746.

Kaufman, David E. and Robert L. Smith, *Direction Choice for Accelerated Convergence in Hit-and-Run Sampling*, 84-95.

Kellerer, Hans, Vladimir Kotov, Franz Rendl, and Gerhard J. Woeginger, *The Stock Size Problem*, S1-S12.

Kletter, David B., see **Graves, Kletter, and Hetzel,** S35-S49.

Kleywegt, Anton J. and Jason D. Papastavrou, *The Dynamic and Stochastic Knapsack Problem*, 17-35.

Kodialam, Muralidharan S. and Hanan Luss, *Algorithms for Separable Nonlinear Resource Allocation Problems*, 272-284.

Koopman, Gert Jan, see **Degraeve and Koopman,** 643-654.

Kotov, Vladimir, see **Kellerer, Kotov, Rendl, and Woeginger,** S1-S12.

Krichagina, Elena N., Rodrigo Rubio, Michael I. Taksar, and Lawrence M. Wein, *A Dynamic Stochastic Stock-Cutting Problem*, 690-701.

Kubiak, W., J. Błazewicz, M. Dror, N. Katoh, and H. Rock, *Resource Constrained Chain Scheduling of UET Jobs on Two Machines*, 742-746.

L

Laporte, Gilbert, see **Gendreau, Hertz, Laporte, and Stan,** 330-335.

Lederer, Phillip J. and Ramakrishnan S. Nambimadom, *Airline Network Design*, 785-804.

Lee, Eva K., see **Bixby and Lee,** 355-367.

Lee, Jon, *Constrained Maximum-Entropy Sampling*, 655-664.

Lee, Thomas (Yew Sing), *Models for Design and Control of Single-Server Polling Computer and Communication Systems*, 515-531.

Liu, Zhen and Rhonda Righter, *Optimal Load Balancing on Distributed Homogeneous Unreliable Processors*, 563-573.

Love, Robert F., see **Brimberg and Love**, 702-709.

Luss, Hanan, see **Kodialam and Luss,** 272-284.

M

Mahadev, N.V.R., Aleksandar Pekeč, and Fred S. Roberts, *On the Meaningfulness of Optimal Solutions to Scheduling Problems: Can an Optimal Solution Be Nonoptimal?* S120-S134.

Magnanti, Thomas, see **Balakrishnan, Magnanti, and Mirchandani**, 116-136.

Mason, Andrew J., David M. Ryan, and David M. Panton, *Integrated Simulation, Heuristic and Optimization Approaches to Staff Scheduling*, 161-175.

McCardle, Kevin F. see **Smith and McCardle,** 198-217.

Mirchandani, Prakash, see **Balakrishnan, Magnanti, and Mirchandani**, 116-136.

Miyazawa, Masakiyo, see **Chao and Miyazawa,** 927-933.

Mondschein, Susana, see **Bitrain, Caldentey, and Mondschein,** 609-624.

Morton, David P., see **Cormican, Morton, and Wood,** 184-197.

Morton, David P., *Stopping Rules for a Class of Sampling-Based Stochastic Programming Algorithms,* 710-718.

Mudrageda, Murthy V., see **Murphy and Mudrageda,** 368-377.

Muñoz-Márquez, M., see **Carrizosa, Muñoz-Márquez, and Puerto,** 155-156.

Muriel, Ana, see **Chan, Muriel, and Simchi-Levi** 729-741.

Murphy, Frederic H. and Murthy V. Mudrageda, *A Decomposition Approach for a Class of Economic Equilibrium Models,* 368-377.

Myers, David H., see **Cariño, Myers, and Ziemba,** 450-462.

N

Nakayama, Marvin K., *On Derivative Estimation of the Mean Time to Failure in Simulations of Highly Reliable Markovian Systems*, 285-290.

Nambimadom, Ramakrishnan S., see **Lederer and Nambimadom,** 785-804.

Nandakumar, Purushottaman, and Jeffrey L. Rummel, *A Subassembly Manufacturing Yield Problem with Multiple Production Runs*, S50-S64.

Nash, Stephen J., *SUMT (Revisited)*, 763-775.

Nemhauser, George L., see **Barnhardt, Johnson, Nemhauser, Savelsbergh, and Vance,** 316-329.

Nemhauser, George and Michael A. Trick, *Scheduling a Major College Basketball Conference*, 1-8.

Nguyen, Viên, *A Multiclass Hybrid Production Center in Heavy Traffic*, S13-S25.

Norkin, Vladimir I., Yuri M. Ermoliev, and Andrzej Ruszczynski, *On Optimal Allocation of Indivisibles Under Certainty,* 381-395.

O

Olsen, Tava Lennon, see **Duenyas, Gupta, and Lennon,** 218-230.

Ord, J. Keith, see **He, Xu, Ord, and Hayya,** S112-S119.

Orlin, James B., see **Schneur and Orlin,** 231-246.

P

Panton, David M., see **Mason, Ryan, and Panton,** 161-175.

Papastavrou, Jason D., see **Kleywegt and Papastavrou,** 17-35.

Patterson, Sarah Stock, see **Bertsimas and Patterson,** 406-422.

Pekeč, Aleksandar, see **Mahadev, Pekeč, and Roberts,** S120-S134.

Perry, David and M.J.M. Posner, *An (S −1,S) Inventory System with Fixed Shelf Life and Constant Lead Times*, S65-S71.

Petersen, E.R., see **Rao and Petersen,** 46-56.

Pinder, George F., see **Tucciarelli, Karatzas, and Pinder,** 463-473.

Posner, M.J.M., see **Perry and Posner,** S65-S71.

Posner, Mark A., see **Hall, Posner, and Potts,** S84-S97.

Posner, Mark A., see **Hall, Posner, and Potts,** S154-S159.

Potts, Chris N., see **Hall, Posner, and Potts,** S84-S97.

Potts, Chris N., see **Hall, Posner, and Potts,** S154-S159.

Puerto, J., see **Carrizosa, Muñoz-Márquez, and Puerto,** 155-156.

R

Rao, S. and E.R. Petersen, *Optimal Pricing of Priority Services*, 46-56.

Reiman, Martin I. and Lawrence M. Wein, *Dynamic Scheduling of a Two-Class Queue with Setups,* 532-547.

Rendl, Franz, see **Kellerer, Kotov, Rendl, and Woeginger,** S1-S12.

Riehl, Eric, see **Altman, Foss, Riehl, and Stidham, Jr.,** 137-148.

Righter, Rhonda, see **Liu and Righter,** 563-573.

Righter, Rhonda and J. George Shanthikumar, *Multiclass Production Systems with Setup Times*, S146-S153.
Roberts, Fred S., see **Mahadev, Pekeč, and Roberts,** S120-S134.
Rock H., see **Kubiak, Błazewicz, Dror, Katoh, and Rock,** 742-746.
Rubio, Rodrigo, see **Krichagina, Rubio, Taksar, and Wein,** 690-701.
Rummel, Jeffrey L., see **Nandakumar and Rummel,** S50-S64.
Ruszczynski, Andrzej, see **Norkin, Ermoliev and Ruszczynski,** 381-395.
Ryan, David M., see **Mason, Ryan, and Panton,** 161-175.

S

Saaty, Thomas L., *Reflections and Projections on Creativity in Operations Research and Management Sciences: A Pressing Need for a Shift in Paradigms*, 9-16.
Saaty, Thomas L. and Luis G. Vargas, *Diagnosis with Dependent Symptoms: Bayes Theorem and the Analytic Hierarchy Process*, 491-502.
Sansó, Brunhilde, see **Walker and Sansó,** 305-315.
Savelsbergh, Martin W.P., see **Barnhardt, Johnson, Nemhauser, Savelsbergh, and Vance,** 316-329.
Savelsbergh, Martin I. and Marc Sol, *DRIVE: Dynamic Routing of Independent Vehicles*, 474-490.
Scheller-Wolf, Alan and Karl Sigman, *Moments in Tandem Queues,* 378-380.
Schneur, Rina R. and James B. Orlin, *A Scaling Algorithm for Multicommodity Flow Problems*, 231-246.
Shanthikumar, J. George, see **Righter and Shanthikumar,** S146-S153.
Sherali, Hanif D., Warren P. Adams, and Patrick J. Driscoll, *Exploiting Special Structures in Constructing a Hierarchy of Relaxations for 0-1 Mixed Integer Problems,* 396-405.
Shimkin, Nahum, see **Altman and Shimkin,** 776-784.
Sigman, Karl, see **Scheller-Wolf and Sigman,** 378-380.
Simchi-Levi, David, see **Chan, Federgruen, and Simchi-Levi,** 96-106.
Simchi-Levi, David, see **Chan, Muriel, and Simchi-Levi,** 729-741.
Simchi-Levi, David, see **Kaminsky and Simchi-Levi,** 872-882.
Smith, James E. and Kevin F. McCardle, *Valuing Oil Properties: Integrating Option Pricing and Decision Analysis Approaches*, 198-217.
Smith, Robert L., see **Kaufman and Smith,** 84-95.
Sol, Marc, see **Savelsbergh and Sol,** 474-490.
Srivatsan, N. and Yves Dallery, *Manufacturing Systems*, 36-45.
Stan, Mihnea, see **Gendreau, Hertz, Laporte, and Stan,** 330-335.
Stidham, Jr., Shaler, see **Altman, Foss, Riehl, and Stidham, Jr.,** 137-148.
Sutter, Alain, Francois Vanderbeck, and Laurence Wolsey, *Optimal Placement of Add/Drop Multiplexers: Heuristic and Exact Algorithms*, 719-728.

T

Taksar, Michael I., see **Krichagina, Rubio, Taksar, and Wein,** 690-701.
Talluri, Kalyan T., see **Gopalan and Talluri,** 260-271.
Tamir, Arie, *Comments on the Paper: 'Heuristic and Special Case Algorithms for Dispersion Problems' by S.S. Ravi, D.J. Rosenkrantz, and G.K. Tayi*, 157-158.
Taylor, P.G. and N.M. van Dijk, *Strong Stochastic Bound for the Stationary Distribution of a Class of Multicomponent Performability Models*, 665-674.
Tayur, Sridhar, see **Anupindi and Tayur,** S98-S111.
Tayur, Sridhar, see **Kapuscinski and Tayur,** 899-911.
Teo, Chung-Piaw, see **Bertsimas and Teo,** 503-514.
Tijms, Henk C., see **Gouweleew and Tijms,** 149-154.
Toth, Paolo, see **Caprara, Toth, Fischetti, and Vigo,** 820-830.
Trick, Michael A., see **Nemhauser and Trick,** 1-8.
Troutt, Marvin D., *Some Quality Improvement Principles Useful in the OR/MS Research and Publication Process*, 176-183.
Tucciarello, Tullio, George P. Karatzas, and George F. Pinder, *A Primal Method for the Solution of the Groundwater Quality Management Problem*, 463-473.
Tuy, Hoang, see **Chen, Hansen, Jaumard and Tuy,** 548-562.

V

van Dijk, N.M., see **Taylor and van Dijk,** 665-674.
Vanderbeck, Francois, see **Sutter, Vanderbeck, and Wolsey,** 719-728.
Vance, Pamela H., see **Barnhardt, Johnson, Nemhauser, Savelsbergh, and Vance,** 316-329.
Vargas, Luis G. see **Saaty and Vargas,** 491-502.
Verter, Vedat, see **Erkut and Verter,** 625-642.
Vigo, Daniele, see **Caprara, Toth, Fischetti, and Vigo,** 820-830.
Vohra, Rakesh V., see **Foster and Vohra,** 347-354.

W

Walker, Brian and Brunhilde Sansó, *Managing Redundancy in Distributed Computer Networks: A State Transition Graph Approach for the Stashing Problem,* 305-315.
Wang, Yashan, see **Glasserman and Wang,** 858-871.
Webster, Scott, *Note on "Parallel Machine Scheduling with Batch Setup Times,"* 423.
Wein, Lawrence M., see **Krichagina, Rubio, Taksar, and Wein,** 690-701.
Wein, Lawrence M., see **Reiman and Wein,** 532-547.
Wilson, James R., see **Avramidis and Wilson,** 574-591.

Woeginger, Gerhard J., see **Kellerer, Kotov, Rendl, and Woeginger,** S1-S12.
Wolsey, Laurence, see **Sutter, Vanderbeck, and Wolsey,** 719-728.
Wood, R. Kevin, see **Cormican, Morton, and Wood,** 184-197.

X

Xu, Susan H., see **He, Xu, Ord, and Hayya,** S112-S119.

Y

Yao, David D., see **Chen, Yao, and Zheng,** 107-115.

Z

Zheng, Shaohui, see **Chen, Yao, and Zheng,** 107-115.
Zheng, Yu-Sheng, see **Chen and Zheng,** 592-602.
Ziemba, William T., see **Cariño and Ziemba,** 433-449.
Ziemba, William T., see **Cariño, Myers, and Ziemba,** 450-462.

SUBJECT INDEX

A

Algorithms, analysis of
Chan, L.M.A., worst-case and probabalistic analysis, 729-741.
Kaminsky, P., probabilistic analysis, 872-882.
Kellerer, H., worst-case analysis of heuristics, S1-S12.
Kubiak, W., computational complexity, 742-746.
Norkin, V.I., branch-and-bound, 381-395.
Schneur, R.R., computational and theoretical analysis of a scaling algorithm, 231-246.
Tamir, A., 157-158.
Webster, S., computational complexity: *NP*-hardness, 423.
Applications
Scheller-Wolf, A., customer delay, 378-380.

C

Cartography
Fernandez, E., mosaicking of photographic images, 239-304.
Communications
Altman, E., token-ring local area networks, 137-148.
Computers
Baruah, S.K., task allocation on distributed memory processors, 65-72.
Walker, B., distributed systems, 305-315.
Cost analysis
Degraeve, Z., cost effectiveness of transport policy measures, 643-654.

D

Decision analysis
Bordley, R.F., theory, 923-926.
Ezawa, K.J., inference, systems, theory, 73-83.
Saaty, T.L., 491-502.
Decision analysis, applications
Smith, J.E., evaluating oil properties, 198-217.
Decision analysis, theory, applications
Saaty, T.L., diagnosis, dependent symptoms, Bayes theorem, analytic hierarchy process, 491-502.
Design of experiments
Lee, J., maximum entropy sampling, 655-664.
Deterministic, single machine processing
Hall, N.G., S84-S97.
Hall, N.G., S154-S159.
Dynamic programming, Markov, finite state
Chatwin, R.E., Markov decision model for airline overbooking, 805-819
Kapusciński, R., Markov, 899-911.
Dynamic programming/optimal control
Garbe, R., characterization of optimal return functions, 336-346.
Liu, Z., semi-Markov, 563-573.
Purushottaman, N., applications, S50-S64.
Srivatsan, N., application: scheduling multipart system, 36-45.

E

Economics
Lederer, P.J., consumer choice, production cost, 785-804.
Murphy, F.H., large-scale systems, 368-377.

F

Facilities/equipment planning, location
Foster, D.P., location, discrete, 347-354.
Rajagopalan, S., capacity expansion
Tamir, A., 157-158
Facilities/equipment planning, location, continuous
Brimberg, J., 702-709
Carrizosa, E., multifacility location, 155-156
Chen, P., continuous location theory, 548-562
Facilities/equipment planning, location, stochastic
Carrizosa, E., location of mobile units, 155-156.
Finance, investment
Smith, J.E., evaluating oil properties, 198-217.
Finance, management
Cariño, D., asset and liability, 433-449.
Cariño, D., asset and liability, 450-462.
Financial institutions, insurance
Cariño, D., Japanese, property and casualty, 433-449.
Cariño, D., Japanese, property and casualty, 450-462.

G

Games, stochastic
Altman, E., dynamic equilibrium and learning, 776-785.

H

Heuristics
Tamir, A., 157-158.

I

Industries
Nemhauser, G. L., recreation/sports: college basketball, 1-8.
Information systems
Ezawa, K.J., decision support systems, expert systems, 73-83.
Walker, B., management, 305-315.
Integer programming
Hahn, P., bounding method for Quadratic Assignment Problem, 912-922.
Integer programming applications
Rajagopalan, S., model for equipment planning, 846-857.
Inventory/production
Chan, L.M.A., multiechelon 96-106.
Chatwin, R.E., uncertain yield and demand, 805-819.
Chen, F., multiechelon, cost-effectiveness of stationary policies, S26-S34.
Chen, F., multiechelon, lot-sizing, stochastic, heuristics, 592-602.
Federgruen, A., stochastic, 883-898.
Glasserman, P., assemble-to-order, fill rate, trade-off, exponential tail probability, delivery leadtime, 858-872.
Ridder, A., stochastic uncertainty 934-936.
Inventory/production, approximations/heuristics
He, X.X., one cycle and multicycle analyses, S112-S119.
Inventory/production, multi-item
Anupindi, R., stochastic economic lot scheduling with response time criteria, S98-S111.
Axsäter, S. batch-ordering policies, continuous review, S135-S145.
Graves, S.C., multi-stage supply chain with uncertain demand and dynamic forecast revisions, application to film production; dynamic requirements planning and supply chain optimization, S35-S49.
Inventory/production multi-item/echelon/stage
Federgruen, A., 883-898.
Song, J.-S., multi-item; operating characteristics; stochastic models, 831-845.
Inventory/production, perishable/aging items
Bitran, G., short season no replenishment, 608-624.
Inventory/production, policies
He, X.X., reorder point, order quantity, S112-S119.
Bitran, G., marketing/pricing: tradeoff of revenue and profit, 609-624.
Inventory/production smoothing
Baganha, M.P., S72-S83.
Inventory/production, uncertainty
Axsäter, S., stochastic: Poisson demand, S135-S145.
Bitran, G., stochastic: heuristic approach, 609-624.
He, X.X., stochastic lead times, order crossover, non-interchangeability, S112-S119.
Inventory
Perry, D., stochastic, perishable items, S65-S71.

L

Lead items
Perry, D., probabalistic propensity for customer waiting, S65-S71.

M

Manufacturing, performance/productivity
Srivatsan, N., scheduling unreliable manufacturing, 36-45.
Mathematical modeling
Saaty, T.L., general approach to systems problems, 9-16.
Military, targeting
Cormican, K.J., network interdiction, 184-197.
Multiechelon inventory systems
Baganha, M.P., S72-S83.

N

Natural resources, energy
Smith, J.E., evaluating oil properties, 198-217.
Natural resources, water resources
Tucciarelli, T., groundwater quality management problem, 463-473.
Networks/graphs, heuristic
Balakrishnan, A., analysis for hierarchical, survivable applications; tree algorithms: hierarchical, survivable networks, 116-136.
Caprara, A., matchings, 820-830.
Fernandez, E., bottleneck shortest path, 239-304.
Lederer, P.J., design of airline networks, 785-804.
Networks/graphs, matchings
Kubiak, W., 742-746.
Networks/graphs, multicommodity
Holmberg, K., fixed charges, 247-259.
Schneur, R.R., new algorithm for problem solving, 231-246.
Networks/graphs, stochastic
Cormican, K.J., maximum flow, 184-197.
Nonlinear algorithms
Tucciarelli, T., primal method, 463-473.

O

Optimal control
Nash, S.G., history, 763-775.

Organizational studies, manpower planning
Mason, A.J., modeling of customs staffing requirements, 161-175.

P

Philosophy of modeling
Bordley, R.F., probability: applications, 923-926.
Mahadev, N.V.R., effects of scales, S120-S134.
Saaty, T.L., importance and uses of creativity, 9-16.
Probability
Kaufman, D.E., random walk: direction choice, 84-95.
Probability, distribution comparisons
Ridder, A., 934-936.
Probability, Markov processes
Chao, X., local balances, 927-933.
Probability, stochastic model applications
Liu, Z., distributed routing, 563-573.
Nakayama, M.K., highly dependable systems, 285-290.
Righter, R., effect of setups in production, S146-S153.
Production/scheduling
Baruah, S.K., scheduling with interprocessor communication delays, 65-72.
Federgruen, A., stochastic, 883-898.
Garbe, R., selection of jobs in advance of scheduling, 336-346.
Hall, N.G., scheduling with limited output storage capacity, S84-S97.
Hall, N.G., scheduling with limited input storage capacity, S154-S159.
Kapuściński, R., stochastic, optimal policies, nonstationary, 899-911.
Kellerer, H., minimization of maximum stock size, S1-S12.
Krichagina, E.V., cutting stock under stochastic demand, 690-701.
Nguyen, V., approximations of hybrid production systems, S13-S25.
Purushottaman, N., assembly yields, S50-S64.
Reiman, M.I., stochastic scheduling with setups, 532-547.
Production/scheduling, applications
Hillier, M.S., PC board manufacturing; flexible manufacturing, 675-689.
Nemhauser, G.L., sports scheduling, 1-8.
Righter, R., stochastic polling models, S146-S153.
Production/scheduling, sequencing multiple machines
Kaminsky, P., flow shop weighted completion time problem, 872-882.
Production/scheduling, sequencing, stochastic
Purushottaman, N., S50-S64.
Srivatsan, N., manufacturing systems, 36-45.
Professional, OR/MS policy/standards
Troutt, M.D, comments on research and writing, 176-183.
Programming, integer
Andreatta, G., models, applications, 57-64.
Balakrishan, A., heuristics: reliable telecommunications networks, 116-136.
Barnhardt, C., branch-and-bound, decomposition algorithms, 316-329.
Bertsimas, D., applications, 406-422.
Bixby, R.E., algorithms, cutting plane/facet generation: branch-and-cut algorithm for a structured 0/1 problem, 355-367.
Chan, L.M.A., set-partitioning, 729-741.
Hahn, P., bounding method for Quadratic Assignment Problem, 912-922.
Hillier, M.S., applications, 675-689.
Holmberg, K., algorithms, relaxation/subgradient, branch-and-bound, 247-259.
Lee, J., branch-and-bound, 655-664.
Norkin, V.I., stochastic, 381-395.
Rajagopalan, S., model for equipment planning, 846-857.
Sherali, H.D., reformulation-linearization technique; automatic reformulation procedure; hierarchy of relaxations; convex hull representations, 396-406.
Sutter, A., heuristics and decomposition algorithms, 719-728.
Programming, integer, algorithms
Degraeve, Z., decomposition: Dantzig-Wolfe, 643-654.
Kodialam, M.S., allocation of one resource, 272-284.
Programming, integer, heuristic
Bertsimas, D., 503-514.
Caprara, A., heuristics, relaxations, applications, 820-830.
Savelsbergh, M., a branch-and-price algorithm, 474-490.
Programming, linear
Chen, P., vertex enumeration, 548-562.
Programming, nonlinear
Chen, P., d.-c. programming, concave minimization, algorithm, application, 548-562.
Kodialam, M.S., resource allocation algorithms, 272-284.
Lee, J., discrete variables, 655-664.
Nash, S.G., history, 763-775.
Programming, stochastic
Cariño, D., multiperiod, linear, 433-449.
Cariño, D., multiperiod, linear, 450-462.
Cormican, K.J., sequential approximation, 184-197.
Morton, D.P., sampling-based algorithms, 710-718.

Q

Quality control
Chen, J., sequential inspection, 107-115.
Queueing, theory
Scheller-Wolf, A., finite moments of steady-state distribution, 378-380.
Queues
Altman, E., polling and vacation systems, pathwise analysis, performance bounds, 137-148.

Browning, S.G., tandem: dependent and independent service with blocking, 424-429.
Garbe, R., optimization of multiclass queueing systems, 336-346.
Krichagina, E.V., Brownian models of scheduling problems, 690-701.
Lee, T., linear-quadratic model of uncertainty; linear-quadratic control rule, 515-531.
Rao, S., priority: pricing of service operations, 46-56.
Reiman, M.I., diffusion models of control problems, 532-547.

Queues, applications
Righter, R., polling models in production, S146-S153.

Queues, approximations
Gouweleeuw, F.N., loss probability in discrete-time, 149-154.

Queues, cyclic
Liu, Z., optimality of round-robin routing, 563-573.

Queues, diffusion models
Nguyen, V., heavy traffic unit of mixed queues, S13-S25.

Queues, networks
Chao, X., quasi-reversibility, product form solutions, 927-933.
Nguyen, V., queueing networks with open and closed customers, S13-S25.

Queues, optimization
Altman, E., processor sharing, 776-784.

Queues, tandem
Duenyas, I., control of tandem queues, 218-230.

R

Resources allocation
Kleywegt, A.J., on-line in a probabilistic environment, 17-35.

S

Sample path properties
Scheller-Wolf, A., 378-380.

Scheduling
Chan, L.M.A., deterministic, single machine, 729-741.
Kubiak, W., sequencing, deterministic, 742-746.

Services
Rao, S., pricing of priority services, 46-56.

Simulation
Kapusciński, R., infinitesimal perturbation analysis, 899-911.
Kaufman, D.E., random variable generation: Markov-chain Monte Carlo, 84-95.
Nakayama, M.K., statistical analysis of derivative estimates, 285-290.

Simulation, applications
Anupindi, R., simulation based optimization, S98- S111.

Simulation, design of experiments
Avramidis, A.N., antithetic variates, Latin hypercube sampling, 574-591.

Simulation, efficiency
Avramidis, A.N., variance reduction techniques, 574-591.
Nakayama, M.K., importance sampling, 285-290.

Simulation, statistical analysis
Avramidis, A.N., single- and multiple-sample quantile estimators, 574-591.

Statistics, sampling
Morton, D.P., stopping rules for stochastic programming algorithms, 710-718.

Stochastic model applications
Chen, J., Markov decision program, 107-115.

Strong stochastic bounds
Taylor, P.G., multicomponent systems, Markov reward theory, 665-674.

Systems solution
Saaty, T.L., relating to intangible objectives and criteria, 9-16.

T

Telecommunications
Lee, T., polling systems, 515-531.
Sutter, A., assignment of equipment; comparison of safety policies, 719-728.

Transportation
Andreatta, G., air traffic, 57-64.
Bertsimas, D., air traffic, 406-422.
Caprara, A., network models, personnel scheduling, railways, 820-830.
Chatwin, R.E., airline seat inventory control, 805-819.
Erkut, E., travel route choice, risk, 625-642.
Gopalan, R., routing, network models, scheduling, airline OR, 260-271.
Kleywegt, A.J., dynamic and stochastic loading, 17-35.
Lederer, P.J., economics, 785-804.

Transportation, models
Rao, S., priority service, 46-56.

Transportation, scheduling
Mahadev, N.V.R., tardiness and earliness, S120-S134.

Transportation, vehicle routing
Bixby, R.E., dispatching of trucks for an oil company, 355-367.
Chan, L.M.A., 96-106.
Savelsbergh, M., a dynamic pickup and delivery problem, 474-490.

Traveling Salesman Problem
Gendreau, M., with time windows: generalized insertion heuristic, 330-336.

U

Utility/preference, multiattribute
Dyer, J.S., applications, 749-762.